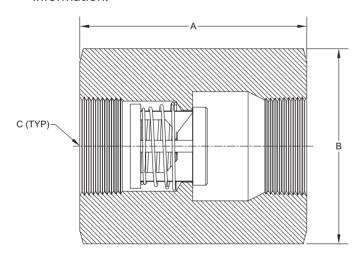


The **Universal High Pressure (U1, R1)** check valve is a one piece body machined from bar stock with female pipe threads. The valve is designed and manufactured for high pressure applications. These valves can also be used as low pressure relief valves or vacuum breakers by using the desired spring settings. This valve is normally supplied with a "metal-to-metal" seat. NPT threads are per ASME B1.20.1. Also available with ISO 7 "Rp" threads (R1).

NOTE: Many valves in this series can be supplied with B16.34 certification. Consult the factory for more information.



Nom. Pipe Size	Size Code	А	Hex ⁰ Size B	С	Orifice Diameter
3/8	С	2.16	1	3/8 NPT	0.348
1/2	D	2.71	1-1/4	1/2 NPT	0.464
3/4	F	2.95	1-5/8	3/4 NPT	0.593
1	Η	3.64	2-1/4	1 NPT	0.890
1-1/4	I	3.91	2-3/4	1-1/4 NPT	1.135
1-1/2	J	4.36	3-1/4	1-1/2 NPT	1.385

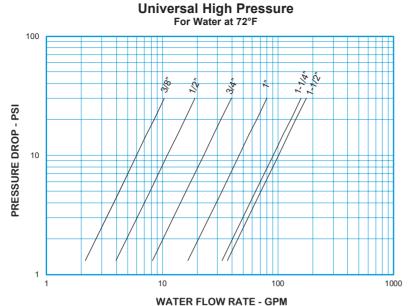
May be larger and/or round.

FLOW	_
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Body Material ²⁰	Availability	Non-Shock Pressure-Temp. Rating @ 100° F Consult factory for P-T rating above 100° F	
316 Stainless Steel (SS)	Standard		
Carbon Steel (CS)	Standard	10,000 PSIG	
Alloy 20 (A2)			
Alloy C-276 (HC)	Semi-standard		
MONEL® 400 or Alloy R405			
Alloy B (HB)	Contact the factory for these or other		
Titanium (TI)	materials		

² See page 56 for material grade information.

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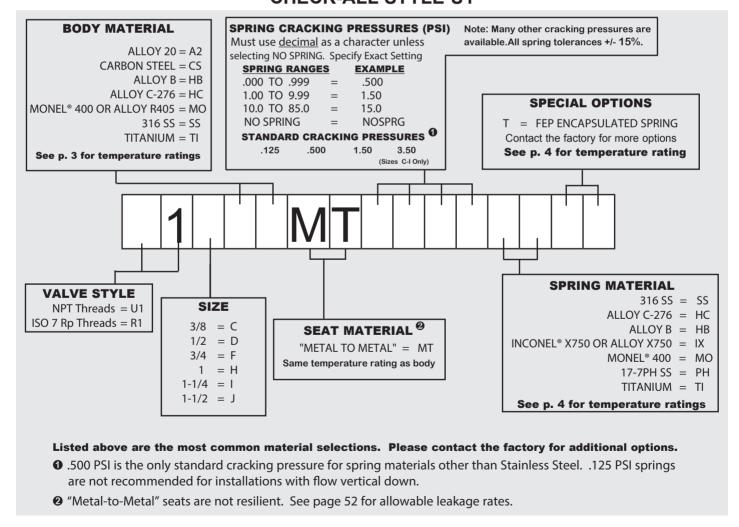


Note: All flow curves and Cv values presume the valves are fully open with 1/2 PSI cracking pressure springs. Consult the factory for more information.

STYLE U1 C _V VALUES & VALVE WEIGHTS				
C _v	SIZE	SS & CS ALLOYS		
1.9	3/8	5.9 oz.		
3.5	1/2	11.8 oz.		
7.2	3/4	1.4 lb.		
14.6	1	3.5 lb.		
28.8	1-1/4	5.4 lb.		
31.9	1-1/2	8.1 lb.		

See page 51 for Flow Formulae. Valve weights are approximate.

HOW TO ORDER CHECK-ALL STYLE U1



www.checkall.com sales@checkall.com ISO 9001 CERTIFIED MADE IN USA 2019

Page information references listed on this cut sheet are available in the printed catalog as well as the digital catalog, which is available at www.checkall.com.